

What is claimed is:

1. An electronic device comprising:

a first chassis oriented along a first axis, said first chassis comprising at least one first microprocessor;

5 a second chassis oriented along a second axis, said second chassis comprising at least one power generating component connectable thereto; and

at least one first flexible circuit extending between said first chassis and said second chassis, said
10 at least one first flexible circuit comprising a first flexible circuit first end and a first flexible circuit second end, said first flexible circuit first end being connectable to said first chassis, said first flexible circuit second end being connectable to said second
15 chassis;

said first chassis being movable relative to said second chassis between at least a position wherein said first axis is substantially perpendicular to said second axis and a position wherein said first axis is
20 substantially parallel to said second axis.

2. The electronic device of claim 1, wherein said first flexible circuit first end has a first connector attached thereto, said first connector being connectable to said at least one first microprocessor.

3. The electronic device of claim 1, wherein said first flexible circuit second end comprises at least one first tab and at least one second tab, said at least one first tab being connected to said second chassis and
5 extending in a first direction along said second axis, said at least one second tab being connected to said second chassis and extending in a second direction along

said second axis, said first direction being opposite said second direction.

4. The electronic device of claim 1, wherein said first chassis further comprises at least one second microprocessor.

5. The electronic device of claim 4, wherein said at least one first flexible circuit is connectable to said at least one second microprocessor.

6. The electronic device of claim 4 and further comprising at least one second flexible circuit connectable between said at least one second microprocessor and said second chassis.

7. The electronic device of claim 1, wherein the distance between said first flexible circuit first end and said first flexible circuit second end is between about two and about five inches.

8. The electronic device of claim 1, wherein said at least one first flexible circuit comprises at least one first conductive plane and at least one second conductive plane extending between said first flexible circuit first end and said first flexible circuit second end, said at least one first conductive plane having a first surface, said at least one second conductive plane having a second surface, said first surface facing said second surface.

9. The electronic device of claim 8, wherein said at least one first conductive plane has a width extending substantially perpendicular to an axis extending between said first flexible circuit first end and said first

5 flexible circuit second end, said width being about 2.1 inches.

10. The electronic device of claim 8, wherein said at least one first conductive plane has a thickness of about 2.0 to about 4.0 mils.

11. The electronic device of claim 8, wherein said at least one first conductive plane has a thickness of about 4.0 mils.

12. The electronic device of claim 8, wherein the distance between said first surface and said second surface is about 1.8 to about 2.2 mils.

13. The electronic device of claim 8, wherein the distance between said first surface and said second surface is about 2.2 mils

14. The electronic device of claim 8, wherein the inductance between said first conductor and said second conductor is between about 61 picohenries and about 152 picohenries.

15. The electronic device of claim 8, wherein the inductance between said first conductor and said second conductor is about 61 picohenries.

16. The electronic device of claim 8, wherein the inductance between said first conductor and said second conductor is about 30.4 picohenries per inch as measured between said first flexible circuit first end and said
5 first flexible circuit second end.

17. The electronic device of claim 8, wherein the resistance of said first conductor between said first flexible circuit first end and said first flexible circuit second end is between about 0.121 milliohms and about 0.302 milliohms.

18. The electronic device of claim 8, wherein the resistance of said first conductor between said first flexible circuit first end and said first flexible circuit second end is about 0.121 milliohms.

19. The electronic device of claim 1, wherein said first chassis further comprises at least one tab extending therefrom, said second chassis further comprising at least one slot located thereon, said at least one tab being receivable in said at least one slot.

20. The electronic device of claim 1, wherein said first chassis comprises a first tab extending therefrom, said first tab extending substantially parallel to said first axis, said second chassis having a first slot located thereon, said first slot extending substantially parallel to said second axis, said first tab being receivable by said first slot.

21. The electronic device of claim 20, wherein said first chassis further comprises a second tab extending therefrom, said second tab extending substantially perpendicular to said first axis, said second chassis further comprising a second slot located thereon, said second slot extending substantially perpendicular to said second axis, said second tab being receivable in said second slot.

22. The electronic device of claim 1, wherein said second chassis further comprises at least one tab extending therefrom, said first chassis further comprising at least one slot located thereon, said at
5 least one tab being receivable in said at least one slot.

23. The electronic device of claim 1, wherein said second chassis comprises a first tab extending therefrom, said first tab extending substantially parallel to said second axis, said first chassis having a first slot
5 located thereon, said first slot extending substantially parallel to said first axis, said first tab being receivable by said first slot.

24. The electronic device of claim 23, wherein said second chassis further comprises a second tab extending therefrom, said second tab extending substantially perpendicular to said second axis, said first chassis
5 further comprising a second slot located thereon, said second slot extending substantially perpendicular to said first axis, said second tab being receivable in said second slot.

25. The electronic device of claim 1 and further comprising at least one second flexible circuit extending between said first chassis and said second chassis, said at least one second flexible circuit comprising a second
5 flexible circuit first end and a second flexible circuit second end, said second flexible circuit first end being connectable to said first chassis, and said second flexible circuit second end being connectable to said second chassis.

26. The electronic device of claim 25, wherein said at least one first flexible circuit comprises a first flexible circuit surface, wherein said at least one second flexible circuit comprises a second flexible circuit surface, and wherein said first flexible circuit surface substantially faces said second flexible circuit surface.

27. An electronic device comprising:
a first chassis substantially extending along a first axis, said first chassis comprising at least one first microprocessor connectable thereto;
5 a second chassis substantially extending along a second axis, said second chassis comprising at least one power generating component connectable thereto;
at least one first flexible circuit connectable between said first chassis and said second chassis;
10 a first tab extending from said first chassis, said first tab being oriented in a first direction; and
a first slot located on said second chassis, said first slot being oriented in said first direction so as to receive said first tab when said first chassis is proximate said second chassis;
15 said first chassis being movable relative to said second chassis between at least a position wherein said first axis is substantially perpendicular to said second axis to a position wherein said first axis is substantially parallel to said second axis.
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28. The electronic device of claim 27, wherein said first tab extends from said second chassis and wherein said first slot is located on said first chassis.

29. The electronic device of claim 27 and further comprising a second tab extending from said first chassis and a second slot located on said second chassis, said first slot extending in a direction not parallel to said first axis and being receivable by said second slot when
5 said first chassis is proximate said second chassis.

30. The electronic device of claim 27 wherein said second tab extends from said second chassis and wherein said second slot is located on said first chassis.

31. The electronic device of claim 27 and further comprising at least one second flexible circuit connectable between said first chassis and said second chassis.

32. The electronic device of claim 31, wherein said at least one first flexible circuit comprises a first flexible circuit surface, wherein said at least one second flexible circuit comprises a second flexible
5 circuit surface, and wherein said first flexible circuit surface substantially faces said second flexible circuit surface.